LID Credits -- LOW IMPERVIOUS COVER (< 40%)

cells in blue are data entry cells
cells in yellow are calculated results

Project Name:	
Site Area (acres)	100
Impervious (%)	40
Impervious Area (acres)	40

STEP 1. Credits

Credit	Volume Reduction Credit (%)	Unit	Credit Area (ac)	I Reduction (ac)
1. Reforesting Riparian Area	50	acres reforested	5	2.5
2. Expanding/Protecting Riparian Area	50	acres expanded and/or protected	5	2.5
3. Open Space Conservation				
3.a. A/B Soils	75	acres conserved	0	0
3.b. C/D Soils	50	acres conserved	5	2.5
4. Open Space Conservation w/ Hydrologic Function				
4.a. A/B Soils	100	acres conserved	0	0
4.b. C/D Soils	75	acres conserved	5	3.75
5. On-Lot Rain Garden, Dry Well, Infiltration Practice				
5.a. A/B Soils	100	acres of rooftop treated	0	0
5.b. C/D Soils	50	acres of rooftop treated	5	2.5
6. Rainwater Harvesting				
6.a. Rain Barrels (small storage)	10	acres of rooftop treated	0.5	0.05
6.b. Cisterns (large storage)	25	acres of rooftop treated	0	0
7. On-Lot Soil Amendments				
7.a. Just soil amendment	25	acres amended	3	0.75
7.b. With disconnection	50	acres amended	3	1.5
8. Pervious Parking				
8.a. A/B Soils, infiltration design	100	acres of pervious parking	0	0
8.b. C/D Soils, underdrain design	50	acres of pervious parking	0	0
8.c. Other parking draining to pervious parking	25	acres draining to pervious parking	0	0
9. Green Roof				
9.a. Extensive	50	acres of green roof	0	0
9.b. Intensive	75	acres of green roof	0	0
10. Grass Channels				
10.a. A/B Soils	75	impervious acres draining to grass channel	0	0
10.b. C/D Soils	50	impervious acres draining to grass channel	20	10
11. Other Impervious Disconnection				
11.a. A/B Soils	50	impervious acres treated	0	0
11.b. C/D Soils	25	impervious acres treated	0	0

TOTAL CREDIT AREA	26.05
ADJUSTED IMPERVIOUS AREA	13.95
ADJUSTED IMPERVIOUS %	**14**

STEP 2. BMP Efficiency Requirement

Parameter (post-development)		
P	Precipitation (in/yr)	43
P_j	Fraction of Runoff Producing Events	0.9
I	Adjusted Imperviousness Cover (%)	14
R_v	Runoff Coefficient	0.18
C	Mean Concentration of Pollutant (mg/L)	0.28
A	Area (acres)	1

Post-Development Load (lb/yr):	0.43
Required Removal (0.28 P standard)	0.15
Adjusted BMP Efficiency Requirement	**35%**

STEP 3. BMP Selection

BMP Type	Removal Efficiency for LOW Impervious Cover Site (< 40%)
Wet Pond 1	50%
Wet Pond 2	75%
Bioretention 1	45%
Bioretention 2	55%
Infiltration 1	65%
Infiltration 2	95%
Constructed Wetland 1	45%
Constructed Wetland 2	75%
WQ Swale 1	25%
WQ Swale 2	45%
Filtering Practice	65%